Surface Science 203 (1988) 594–598
North-Holland, Amsterdam

AUTHOR INDEX

Argile, C. and G.E. Rhead, The coadsorption of cesium and potassium on Ag(111). Characterisation by Auger electron spectroscopy and work function changes; adsorption of oxygen 203 (1988) 175

Bao, S., G. Liu and D.P. Woodruff, Angle-resolved polarised light photoemission study of the formation and structure of acetate on Cu(110) 203 (1988) 89
Bauer, E., see Mundschau 203 (1988) 412
Bauer, E., see Tikhov 203 (1988) 423
Baunack, S., see Unger 203 (1988) L682
Bevolo, A.J., see Lee 203 (1988) 155
Bigot, B., see Minot 203 (1988) 525
Billing, G.D., Influence of phonon inelasticity upon atom–solid scattering intensities 203 (1988) 257
Blatter, F. and E. Schumacher, Ethylene polymerisation catalyzed by caesium in zeolite NaY 203 (1988) 571
Bondi, C. and G. Taddei, Structures of the benzene monolayers physisorbed on the graphite basal plane 203 (1988) 587
Boring, J.W., see O'Shaughnessy 203 (1988) 227
Bradshaw, A.M., see Lindner 203 (1988) 333
Brookes, N., A. Viescas, P.D. Johnson, J.P. Remeika, A.S. Cooper and N.V. Smith, LEED observation of a 1×8 superlattice in the surface of lanthanum cuprate 203 (1988) L627

Cassuto, A., On the validity of the desorption-rate version of the Langmuir isotherm proposed by K. Nagai 203 (1988) L656
Chesters, M.A., see Raval 203 (1988) 353
Chorkendorff, I., see Hagans 203 (1988) 1
Chorkendorff, I., see Guo 203 (1988) 17
Collins, J.B., see Rikvold 203 (1988) 500
Cooper, A.S., see Brookes 203 (1988) L627

Elmoselhi, M.B., see Ward 203 (1988) 463
Ertürk, Ü., D. Gherban and A. Otto, Chemical and vibrational specificity of SERS induced by submonolayer postdeposition of silver 203 (1988) 554

Fedyanin, V.K., see Gavrilenko 203 (1988) 212
Fick, D., see Memmert 203 (1988) 276
Franchy, R., M. Wuttig and H. Ibach, Anharmonic effects on adsorbate vibrations 203 (1988) 489
Fukuda, Y. and M. Nagoshi, Molecular nitrogen with extremely low N–N stretching frequency on Cr(111) studied by HREELS and XPS 203 (1988) L651

Gavrilenko, G.M., R. Taranko, E. Taranko and V.K. Fedyanin, On hydrogen chemisorption on metals 203 (1988) 212
Gent, A.N., see Ramsier 203 (1988) 72
Gherban, D., see Ertürk 203 (1988) 554
Goodman, D.W., see Rye 203 (1988) 101
Greenlief, C.M., see Rye 203 (1988) 101
Gunton, J.D., see Rikvold 203 (1988) 500
Guo, X., A. Hoffman and J.T. Yates, Jr., Reaction of bulk hydrogen in Pd(111) with adsorbed CN: a possible controlled barrier for hydrogen diffusion 203 (1988) L672
Guo, X., see Hagans 203 (1988) 1
Guo, X., A. Winkler, I. Chorkendorff, P.L. Hagans, H.R. Siddiqui and J.T. Yates, Jr., Oxidation of HCN on the Pt(111) and Pt(112) surfaces 203 (1988) 17
Guo, X., A. Winkler, P.L. Hagans and J.T. Yates, Jr., Reactivity of surface peroxo species: oxidation of HCN on Pt(111) 203 (1988) 33

Haase, J. and H.-J. Kuhr, Reconstruction and relaxation of the oxygen-covered Cu(111) surface: a SEXAFS study 203 (1988) L695
Hagans, P.L., X. Guo, I. Chorkendorff, A. Winkler, H. Siddiqui and J.T. Yates, Jr., Adsorption and dissociation of HCN on the Pt(111) and Pt(112) surfaces 203 (1988) 1
Hagans, P.L., see Guo 203 (1988) 17
Hagans, P.L., see Guo 203 (1988) 33
Hall, R.B., see Russell, Jr. 203 (1988) L642
Hannaman, D.J. and M.A. Passler, Structural determination of Ni(110)-(2 × 1)2CO by LEED: differentiation of substrate–C and C–O tilt angles 203 (1988) 449
Hansen, G.D., see Rikvold 203 (1988) 500
Hardegree, E.L., see Rye 203 (1988) 101
Hariti, A., see Minot 203 (1988) 525
Henderson, M.A., G.E. Mitchell and J.M. White, The coadsorption of ethylene and CO on Ru(001) 203 (1988) 378
Hennequin, J.-F., On the intrinsic secondary ion emission from light metals 203 (1988) 245
Henriksen, P.N., see Ramsier 203 (1988) 72
Hoffman, A., see Guo 203 (1988) L672
Holland, B.W., see Wander 203 (1988) L637
Hollins, P., see Raval 203 (1988) 353

Ibach, H., see Franchy 203 (1988) 489

Jenichen, A. and H. Johansen, Chemisorption on the SiO_2 and silicon surfaces and the influence of infrared laser excitation 203 (1988) 143
Johansen, H., see Jenichen 203 (1988) 143
Johnson, P.D., see Brookes 203 (1988) L627
Johnson, R.E., see O'Shaughnessy 203 (1988) 227
Judd, R.W., see Nix 203 (1988) 307

Kaski, K., see Lampinen 203 (1988) 201
Kilcoyne, A.L.D., see Lindner 203 (1988) 333
Klauber, C., Acid induced oligomerization of aurocyanide adsorbed on carbon 203 (1988) 118
Kuhr, H.-J., see Haase 203 (1988) L695
Kuroda, T., see Tomita 203 (1988) 295

Lambert, R.M., see Nix 203 (1988) 307
Lampinen, J., R.M. Nieminen and K. Kaski, Molecular dynamics simulation of epitaxial growth of the Si(001) surface 203 (1988) 201
Lee, YoungPak, A.J. Bevolo and D.W. Lynch, Comparison of initial oxidation of single- and polycrystalline Fe–Si alloys, and the effects of annealing and crystal faces on the oxidation behavior 203 (1988) 155
Lindner, Th., J. Somers, A.M. Bradshaw, A.L.D. Kilcoyne and D.P. Woodruff, A photoelectron diffraction and NEXAFS study of the structure of the methoxy species (CH_3O–) on Cu{100} 203 (1988) 333
Liu, G., see Bao 203 (1988) 89
Lynch, D.W., see Lee 203 (1988) 155

Martin, R.M., see Tochihara 203 (1988) 44
Memmert, U. and D. Fick, Nuclear magnetic resonance (NMR) studies at ^{23}Na atoms adsorbed on different W single crystal surfaces 203 (1988) 276
Memmert, U. and P.R. Norton, Investigation of the interaction of oxygen with an Al(100) surface by work function methods 203 (1988) L689
Metiu, H., see Tochihara 203 (1988) 44
Minot, C., B. Bigot and A. Hariti, A theoretical investigation of the two-dimensional growth of silver clusters: the silver bubble 203 (1988) 525
Mitchell, G.E., see Henderson 203 (1988) 378
Mitchell, K.A.R., see Watson 203 (1988) 323
Mundschau, M., E. Bauer and W. Święch, Photoemission microscopy and atomic steps on Mo{011} 203 (1988) 412
Murayama, N., see Namiki 203 (1988) 129

Nagai, K., Reply to the Comment by A. Cassuto "On the validity of the desorption-rate version of the Langmuir isotherm proposed by K. Nagai" 203 (1988) L659
Nagoshi, M., see Fukuda 203 (1988) L651
Nakamura, T., see Namiki 203 (1988) 129
Namiki, A., K. Tanimoto, T. Nakamura, N. Murayama and T. Suzaki, Formation of interfacing Si–O–Si species by hydrogenated Si radical depositions onto oxidized Si(111) surfaces 203 (1988) 129
Nieminen, R.M., see Lampinen 203 (1988) 201
Nix, R.M., R.W. Judd and R.M. Lambert, Structure and properties of rare earth overlayers and ultra-thin alloy films on single crystal copper: Nd on Cu(111) 203 (1988) 307
Nogami, J., Sang-il Park and C.F. Quate, An STM study of the gallium induced $\sqrt{3} \times \sqrt{3}$ reconstruction of Si(111) 203 (1988) L631
Norton, P.R., see Memmert 203 (1988) L689

O'Shaughnessy, D.J., J.W. Boring, J.A. Phipps and R.E. Johnson, Absolute differential yields of condensed rare gases sputtered by keV ions 203 (1988) 227
Otto, A., see Ertürk 203 (1988) 554

Park, C., Growth of Ag, Au and Pd on Ru(0001) and CO chemisorption 203 (1988) 395
Park, Sang-il, see Nogami 203 (1988) L631
Parker, S.F., see Raval 203 (1988) 353
Passler, M.A., see Hannaman 203 (1988) 449
Pemble, M.E., see Raval 203 (1988) 353
Phipps, J.A., see O'Shaughnessy 203 (1988) 227

Posadas, D., see Romeo 203 (1988) 186
Pritchard, J., see Raval 203 (1988) 353

Quate, C.F., see Nogami 203 (1988) L631

Ramsier, R.D., P.N. Henriksen and A.N. Gent, Adsorption of phosphorus acids on alumina 203 (1988) 72
Raval, R., S.F. Parker, M.E. Pemble, P. Hollins, J. Pritchard and M.A. Chesters, FT-RAIRS, EELS and LEED studies of the adsorption of carbon monoxide on Cu(111) 203 (1988) 353
Remeika, J.P., see Brookes 203 (1988) L627
Rettner, C.T. and E.K. Schweizer, Gas–surface scattering from W(100): kinetic energy dependence of the effective corrugation 203 (1988) L677
Rhead, G.E., On the variation of work function with coverage for alkali-metal adsorption 203 (1988) L663
Rhead, G.E., see Argile 203 (1988) 175
Rikvold, P.A., J.B. Collins, G.D. Hansen and J.D. Gunton, Three-state lattice gas on a triangular lattice as a model for multicomponent adsorption 203 (1988) 500
Rocker, G., see Tochihara 203 (1988) 44
Romeo, F.M., R.I. Tucceri and D. Posadas, Surface conductivity changes during the electrochemical adsorption of UPD layers on silver and gold 203 (1988) 186
Russell, Jr., J.N. and R.B. Hall, Laser-induced defects on a Ni(100) surface: effects on adsorption and surface diffusion of CO 203 (1988) L642
Rye, R.R., C.M. Greenlief, D.W. Goodman, E.L. Hardegree and J.M. White, Auger spectra of C_2 hydrocarbons on Ni(100) 203 (1988) 101

Schumacher, E., see Blatter 203 (1988) 571
Schweizer, E.K., see Rettner 203 (1988) L677
Siddiqui, H., see Hagans 203 (1988) 1
Siddiqui, H.R., see Guo 203 (1988) 17
Smith, N.V., see Brookes 203 (1988) L627
Somers, J., see Lindner 203 (1988) 333
Suzaki, T., see Namiki 203 (1988) 129
Święch, W., see Mundschau 203 (1988) 412

Taddei, G., see Bondi 203 (1988) 587
Tanimoto, K., see Namiki 203 (1988) 129
Taranko, E., see Gavrilenko 203 (1988) 212
Taranko, R., see Gavrilenko 203 (1988) 212
Tikhov, M. and E. Bauer, The interaction of Pb and Sn with the Mo(110) surface 203 (1988) 423
Tochihara, H., G. Rocker, R.M. Martin, H. Metiu and J.T. Yates, Jr., A study of the surface electronic properties of Cu/Ru(0001) by metastable quenching spectroscopy 203 (1988) 44
Tomita, M. and T. Kuroda, Numerical calculation of the surface temperature of semiconductor tips in pulsed-laser AP-FIM 203 (1988) 295
Tucceri, R.I., see Romeo 203 (1988) 186

Unger, W. and S. Baunack, Results on low pressure oxygen adsorption on a $Pt_{60}Re_{40}$ alloy sample: a SIMS and XPS study 203 (1988) L682

Viescas, A., see Brookes 203 (1988) L627

Wander, A. and B.W. Holland, The structure of methoxy on Cu(100) 203 (1988) L637
Ward, C.A. and M.B. Elmoselhi, The coverage dependence of the heat of adsorption and the predicted wavelength of surface luminescence 203 (1988) 463
Watson, P.R. and K.A.R. Mitchell, Multilayer relaxations in the Cu(311) surface determined by LEED crystallography 203 (1988) 323
White, J.M., see Zhou 203 (1988) 53
White, J.M., see Rye 203 (1988) 101
White, J.M., see Henderson 203 (1988) 378
Winkler, A., see Hagans 203 (1988) 1
Winkler, A., see Guo 203 (1988) 17
Winkler, A., see Guo 203 (1988) 33
Woodruff, D.P., see Bao 203 (1988) 89
Woodruff, D.P., see Lindner 203 (1988) 333
Wuttig, M., see Franchy 203 (1988) 489

Yates, Jr., J.T., see Guo 203 (1988) L672
Yates, Jr., J.T., see Hagans 203 (1988) 1
Yates, Jr., J.T., see Guo 203 (1988) 17
Yates, Jr., J.T., see Guo 203 (1988) 33
Yates, Jr., J.T., see Tochihara 203 (1988) 44
Yoon, C., see Zhou 203 (1988) 53

Zhou, X.-L., C. Yoon and J.M. White, Adsorption of H_2, N_2, NH_3 and PF_3 on ultra-thin Fe films on W(100) 203 (1988) 53

Surface Science 203 (1988) 599–611
North-Holland, Amsterdam

SUBJECT INDEX

Acetylene

R.R. Rye, C.M. Greenlief, D.W. Goodman, E.L. Hardegree and J.M. White, Auger spectra of C_2 hydrocarbons on Ni(100) 203 (1988) 101

Alkali halides

G.D. Billing, Influence of phonon inelasticity upon atom–solid scattering intensities 203 (1988) 257

Alkali metals

G.E. Rhead, On the variation of work function with coverage for alkali-metal adsorption 203 (1988) L663

C. Argile and G.E. Rhead, The coadsorption of cesium and potassium on Ag(111). Characterisation by Auger electron spectroscopy and work function changes; adsorption of oxygen 203 (1988) 175

U. Memmert and D. Fick, Nuclear magnetic resonance (NMR) studies at ^{23}Na atoms adsorbed on different W single crystal surfaces 203 (1988) 276

F. Blatter and E. Schumacher, Ethylene polymerisation catalyzed by caesium in zeolite NaY 203 (1988) 571

Alloys

J.-F. Hennequin, On the intrinsic secondary ion emission from light metals 203 (1988) 245

W. Unger and S. Baunack, Results on low pressure oxygen adsorption on a $Pt_{60}Re_{40}$ alloy sample: a SIMS and XPS study 203 (1988) L682

Aluminium

U. Memmert and P.R. Norton, Investigation of the interaction of oxygen with an Al(100) surface by work function methods 203 (1988) L689

Aluminium oxide

R.D. Ramsier, P.N. Henriksen and A.N. Gent, Adsorption of phosphorus acids on alumina 203 (1988) 72

Ammonia

X.-L. Zhou, C. Yoon and J.M. White, Adsorption of H_2, N_2, NH_3 and PF_3 on ultra-thin Fe films on W(100) 203 (1988) 53

Atom scattering

G.D. Billing, Influence of phonon inelasticity upon atom–solid scattering intensities 203 (1988) 257
C.T. Rettner and E.K. Schweizer, Gas–surface scattering from W(100): kinetic energy dependence of the effective corrugation 203 (1988) L677

Auger electron spectroscopy

X. Guo, A. Winkler, I. Chorkendorff, P.L. Hagans, H.R. Siddiqui and J.T. Yates, Jr., Oxidation of HCN on the Pt(111) and Pt(112) surfaces 203 (1988) 17
X.-L. Zhou, C. Yoon and J.M. White, Adsorption of H_2, N_2, NH_3 and PF_3 on ultra-thin Fe films on W(100) 203 (1988) 53
R.R. Rye, C.M. Greenlief, D.W. Goodman, E.L. Hardegree and J.M. White, Auger spectra of C_2 hydrocarbons on Ni(100) 203 (1988) 101
YoungPak Lee, A.J. Bevolo and D.W. Lynch, Comparison of initial oxidation of single- and polycrystalline Fe–Si alloys, and the effects of annealing and crystal faces on the oxidation behavior 203 (1988) 155
C. Argile and G.E. Rhead, The coadsorption of cesium and potassium on Ag(111). Characterisation by Auger electron spectroscopy and work function changes; adsorption of oxygen 203 (1988) 175
C. Park, Growth of Ag, Au and Pd on Ru(0001) and CO chemisorption 203 (1988) 395
M. Tikhov and E. Bauer, The interaction of Pb and Sn with the Mo(110) surface 203 (1988) 423

Benzene

C. Bondi and G. Taddei, Structures of the benzene monolayers physisorbed on the graphite basal plane 203 (1988) 587

Carbon monoxide

J.N. Russell, Jr. and R.B. Hall, Laser-induced defects on a Ni(100) surface: effects on adsorption and surface diffusion of CO 203 (1988) L642
R. Raval, S.F. Parker, M.E. Pemble, P. Hollins, J. Pritchard and M.A. Chesters, FT-RAIRS, EELS and LEED studies of the adsorption of carbon monoxide on Cu(111) 203 (1988) 353
M.A. Henderson, G.E. Mitchell and J.M. White, The coadsorption of ethylene and CO on Ru(001) 203 (1988) 378
C. Park, Growth of Ag, Au and Pd on Ru(0001) and CO chemisorption 203 (1988) 395
D.J. Hannaman and M.A. Passler, Structural determination of Ni(110)-(2×1)2CO by LEED: differentiation of substrate–C and C–O tilt angles 203 (1988) 449
C.A. Ward and M.B. Elmoselhi, The coverage dependence of the heat of adsorption and the predicted wavelength of surface luminescence 203 (1988) 463

Carboxylic acid

S. Bao, G. Liu and D.P. Woodruff, Angle-resolved polarised light photoemission study of the formation and structure of acetate on Cu(110) 203 (1988) 89

Chemisorption theory

A. Wander and B.W. Holland, The structure of methoxy on Cu(100) 203 (1988) L637
A. Jenichen and H. Johansen, Chemisorption on the SiO_2 and silicon surfaces and the influence of infrared laser excitation 203 (1988) 143
G.M. Gavrilenko, R. Taranko, E. Taranko and V.K. Fedyanin, On hydrogen chemisorption on metals 203 (1988) 212

Chromium

Y. Fukuda and M. Nagoshi, Molecular nitrogen with extremely low N–N stretching frequency on Cr(111) studied by HREELS and XPS 203 (1988) L651

Clusters

C. Minot, B. Bigot and A. Hariti, A theoretical investigation of the two-dimensional growth of silver clusters: the silver bubble 203 (1988) 525

Copper

A. Wander and B.W. Holland, The structure of methoxy on Cu(100) 203 (1988) L637
H. Tochihara, G. Rocker, R.M. Martin, H. Metiu and J.T. Yates, Jr., A study of the surface electronic properties of Cu/Ru(0001) by metastable quenching spectroscopy 203 (1988) 44
S. Bao, G. Liu and D.P. Woodruff, Angle-resolved polarised light photoemission study of the formation and structure of acetate on Cu(110) 203 (1988) 89
J. Haase and H.-J. Kuhr, Reconstruction and relaxation of the oxygen-covered Cu(111) surface: a SEXAFS study 203 (1988) L695
R.M. Nix, R.W. Judd and R.M. Lambert, Structure and properties of rare earth overlayers and ultra-thin alloy films on single crystal copper: Nd on Cu(111) 203 (1988) 307
P.R. Watson and K.A.R. Mitchell, Multilayer relaxations in the Cu(311) surface determined by LEED crystallography 203 (1988) 323
Th. Lindner, J. Somers, A.M. Bradshaw, A.L.D. Kilcoyne and D.P. Woodruff, A photoelectron diffraction and NEXAFS study of the structure of the methoxy species (CH_3O–) on Cu{100} 203 (1988) 333
R. Raval, S.F. Parker, M.E. Pemble, P. Hollins, J. Pritchard and M.A. Chesters, FT-RAIRS, EELS and LEED studies of the adsorption of carbon monoxide on Cu(111) 203 (1988) 353

Cyanogen

X. Guo, A. Hoffman and J.T. Yates, Jr., Reaction of bulk hydrogen in Pd(111) with adsorbed CN: a possible controlled barrier for hydrogen diffusion 203 (1988) L672

Diffusion

X. Guo, A. Hoffman and J.T. Yates, Jr., Reaction of bulk hydrogen in Pd(111) with adsorbed CN: a possible controlled barrier for hydrogen diffusion 203 (1988) L672

Electron emission

H. Tochihara, G. Rocker, R.M. Martin, H. Metiu and J.T. Yates, Jr., A study of the surface electronic properties of Cu/Ru(0001) by metastable quenching spectroscopy 203 (1988) 44

Electron loss spectroscopy

Y. Fukuda and M. Nagoshi, Molecular nitrogen with extremely low N–N stretching frequency on Cr(111) studied by HREELS and XPS 203 (1988) L651

R. Raval, S.F. Parker, M.E. Pemble, P. Hollins, J. Pritchard and M.A. Chesters, FT-RAIRS, EELS and LEED studies of the adsorption of carbon monoxide on Cu(111) 203 (1988) 353

M.A. Henderson, G.E. Mitchell and J.M. White, The coadsorption of ethylene and CO on Ru(001) 203 (1988) 378

R. Franchy, M. Wuttig and H. Ibach, Anharmonic effects on adsorbate vibrations 203 (1988) 489

Electron microscopy

F. Blatter and E. Schumacher, Ethylene polymerisation catalyzed by caesium in zeolite NaY 203 (1988) 571

Epitaxy

J. Lampinen, R.M. Nieminen and K. Kaski, Molecular dynamics simulation of epitaxial growth of the Si(001) surface 203 (1988) 201

M. Mundschau, E. Bauer and W. Święch, Photoemission microscopy and atomic steps on Mo{011} 203 (1988) 412

Ethane

R.R. Rye, C.M. Greenlief, D.W. Goodman, E.L. Hardegree and J.M. White, Auger spectra of C_2 hydrocarbons on Ni(100) 203 (1988) 101

Ü. Ertürk, D. Gherban and A. Otto, Chemical and vibrational specificity of SERS induced by submonolayer postdeposition of silver 203 (1988) 554

Ethylene

R.R. Rye, C.M. Greenlief, D.W. Goodman, E.L. Hardegree and J.M. White, Auger spectra of C_2 hydrocarbons on Ni(100) 203 (1988) 101

M.A. Henderson, G.E. Mitchell and J.M. White, The coadsorption of ethylene and CO on Ru(001) 203 (1988) 378
F. Blatter and E. Schumacher, Ethylene polymerisation catalyzed by caesium in zeolite NaY 203 (1988) 571

Field ion microscopy

M. Tomita and T. Kuroda, Numerical calculation of the surface temperature of semiconductor tips in pulsed-laser AP-FIM 203 (1988) 295

Gallium

J. Nogami, Sang-il Park and C.F. Quate, An STM study of the gallium induced $\sqrt{3} \times \sqrt{3}$ reconstruction of Si(111) 203 (1988) L631

Gold

F.M. Romeo, R.I. Tucceri and D. Posadas, Surface conductivity changes during the electrochemical adsorption of UPD layers on silver and gold 203 (1988) 186
C. Park, Growth of Ag, Au and Pd on Ru(0001) and CO chemisorption 203 (1988) 395

Graphite

C. Klauber, Acid induced oligomerization of aurocyanide adsorbed on carbon 203 (1988) 118
C. Bondi and G. Taddei, Structures of the benzene monolayers physisorbed on the graphite basal plane 203 (1988) 587

Hydrogen

X. Guo, A. Hoffman and J.T. Yates, Jr., Reaction of bulk hydrogen in Pd(111) with adsorbed CN: a possible controlled barrier for hydrogen diffusion 203 (1988) L672
X.-L. Zhou, C. Yoon and J.M. White, Adsorption of H_2, N_2, NH_3 and PF_3 on ultra-thin Fe films on W(100) 203 (1988) 53
G.M. Gavrilenko, R. Taranko, E. Taranko and V.K. Fedyanin, On hydrogen chemisorption on metals 203 (1988) 212
C.A. Ward and M.B. Elmoselhi, The coverage dependence of the heat of adsorption and the predicted wavelength of surface luminescence 203 (1988) 463

Hydrogen cyanide

P.L. Hagans, X. Guo, I. Chorkendorff, A. Winkler, H. Siddiqui and J.T. Yates, Jr., Adsorption and dissociation of HCN on the Pt(111) and Pt(112) surfaces 203 (1988) 1
X. Guo, A. Winkler, I. Chorkendorff, P.L. Hagans, H.R. Siddiqui and J.T. Yates, Jr., Oxidation of HCN on the Pt(111) and Pt(112) surfaces 203 (1988) 17

X. Guo, A. Winkler, P.L. Hagans and J.T. Yates, Jr., Reactivity of surface peroxo species: oxidation of HCN on Pt(111) 203 (1988) 33

Infrared spectroscopy

R. Raval, S.F. Parker, M.E. Pemble, P. Hollins, J. Pritchard and M.A. Chesters, FT-RAIRS, EELS and LEED studies of the adsorption of carbon monoxide on Cu(111) 203 (1988) 353
F. Blatter and E. Schumacher, Ethylene polymerisation catalyzed by caesium in zeolite NaY 203 (1988) 571

Inorganic acids

R.D. Ramsier, P.N. Henriksen and A.N. Gent, Adsorption of phosphorus acids on alumina 203 (1988) 72

Iron

X.-L. Zhou, C. Yoon and J.M. White, Adsorption of H_2, N_2, NH_3 and PF_3 on ultra-thin Fe films on W(100) 203 (1988) 53
YoungPak Lee, A.J. Bevolo and D.W. Lynch, Comparison of initial oxidation of single- and polycrystalline Fe–Si alloys, and the effects of annealing and crystal faces on the oxidation behavior 203 (1988) 155

Lanthanides

N. Brookes, A. Viescas, P.D. Johnson, J.P. Remeika, A.S. Cooper and N.V. Smith, LEED observation of a 1×8 superlattice in the surface of lanthanum cuprate 203 (1988) L627
R.M. Nix, R.W. Judd and R.M. Lambert, Structure and properties of rare earth overlayers and ultra-thin alloy films on single crystal copper: Nd on Cu(111) 203 (1988) 307

Lead

M. Tikhov and E. Bauer, The interaction of Pb and Sn with the Mo(110) surface 203 (1988) 423

Low energy electron diffraction

N. Brookes, A. Viescas, P.D. Johnson, J.P. Remeika, A.S. Cooper and N.V. Smith, LEED observation of a 1×8 superlattice in the surface of lanthanum cuprate 203 (1988) L627
R.M. Nix, R.W. Judd and R.M. Lambert, Structure and properties of rare earth overlayers and ultra-thin alloy films on single crystal copper: Nd on Cu(111) 203 (1988) 307
P.R. Watson and K.A.R. Mitchell, Multilayer relaxations in the Cu(311) surface determined by LEED crystallography 203 (1988) 323

R. Raval, S.F. Parker, M.E. Pemble, P. Hollins, J. Pritchard and M.A. Chesters, FT-RAIRS, EELS and LEED studies of the adsorption of carbon monoxide on Cu(111) 203 (1988) 353
C. Park, Growth of Ag, Au and Pd on Ru(0001) and CO chemisorption 203 (1988) 395
M. Tikhov and E. Bauer, The interaction of Pb and Sn with the Mo(110) surface 203 (1988) 423
D.J. Hannaman and M.A. Passler, Structural determination of Ni(110)-(2 × 1)2CO by LEED: differentiation of substrate–C and C–O tilt angles 203 (1988) 449

Metals

G.M. Gavrilenko, R. Taranko, E. Taranko and V.K. Fedyanin, On hydrogen chemisorption on metals 203 (1988) 212

Methanol

Th. Lindner, J. Somers, A.M. Bradshaw, A.L.D. Kilcoyne and D.P. Woodruff, A photoelectron diffraction and NEXAFS study of the structure of the methoxy species (CH_3O–) on Cu{100} 203 (1988) 333

Molybdenum

M. Mundschau, E. Bauer and W. Święch, Photoemission microscopy and atomic steps on Mo{011} 203 (1988) 412
M. Tikhov and E. Bauer, The interaction of Pb and Sn with the Mo(110) surface 203 (1988) 423

Nickel

J.N. Russell, Jr. and R.B. Hall, Laser-induced defects on a Ni(100) surface: effects on adsorption and surface diffusion of CO 203 (1988) L642
R.R. Rye, C.M. Greenlief, D.W. Goodman, E.L. Hardegree and J.M. White, Auger spectra of C_2 hydrocarbons on Ni(100) 203 (1988) 101
D.J. Hannaman and M.A. Passler, Structural determination of Ni(110)-(2 × 1)2CO by LEED: differentiation of substrate–C and C–O tilt angles 203 (1988) 449
C.A. Ward and M.B. Elmoselhi, The coverage dependence of the heat of adsorption and the predicted wavelength of surface luminescence 203 (1988) 463
R. Franchy, M. Wuttig and H. Ibach, Anharmonic effects on adsorbate vibrations 203 (1988) 489

Nitrogen

Y. Fukuda and M. Nagoshi, Molecular nitrogen with extremely low N–N stretching frequency on Cr(111) studied by HREELS and XPS 203 (1988) L651
X.-L. Zhou, C. Yoon and J.M. White, Adsorption of H_2, N_2, NH_3 and PF_3 on ultra-thin Fe films on W(100) 203 (1988) 53

Nitrous oxide

A. Namiki, K. Tanimoto, T. Nakamura, N. Murayama and T. Suzaki, Formation of interfacing Si–O–Si species by hydrogenated Si radical depositions onto oxidized Si(111) surfaces 203 (1988) 129

Noble gases

D.J. O'Shaughnessy, J.W. Boring, J.A. Phipps and R.E. Johnson, Absolute differential yields of condensed rare gases sputtered by keV ions 203 (1988) 227

Nuclear magnetic resonance

U. Memmert and D. Fick, Nuclear magnetic resonance (NMR) studies at ^{23}Na atoms adsorbed on different W single crystal surfaces 203 (1988) 276

Organic substances

A. Wander and B.W. Holland, The structure of methoxy on Cu(100) 203 (1988) L637

Ü. Ertürk, D. Gherban and A. Otto, Chemical and vibrational specificity of SERS induced by submonolayer postdeposition of silver 203 (1988) 554

Oxygen

X. Guo, A. Winkler, I. Chorkendorff, P.L. Hagans, H.R. Siddiqui and J.T. Yates, Jr., Oxidation of HCN on the Pt(111) and Pt(112) surfaces 203 (1988) 17

X. Guo, A. Winkler, P.L. Hagans and J.T. Yates, Jr., Reactivity of surface peroxo species: oxidation of HCN on Pt(111) 203 (1988) 33

YoungPak Lee, A.J. Bevolo and D.W. Lynch, Comparison of initial oxidation of single- and polycrystalline Fe–Si alloys, and the effects of annealing and crystal faces on the oxidation behavior 203 (1988) 155

C. Argile and G.E. Rhead, The coadsorption of cesium and potassium on Ag(111). Characterisation by Auger electron spectroscopy and work function changes; adsorption of oxygen 203 (1988) 175

W. Unger and S. Baunack, Results on low pressure oxygen adsorption on a $Pt_{60}Re_{40}$ alloy sample: a SIMS and XPS study 203 (1988) L682

U. Memmert and P.R. Norton, Investigation of the interaction of oxygen with an Al(100) surface by work function methods 203 (1988) L689

J. Haase and H.-J. Kuhr, Reconstruction and relaxation of the oxygen-covered Cu(111) surface: a SEXAFS study 203 (1988) L695

R. Franchy, M. Wuttig and H. Ibach, Anharmonic effects on adsorbate vibrations 203 (1988) 489

Palladium

C. Park, Growth of Ag, Au and Pd on Ru(0001) and CO chemisorption 203 (1988) 395

Photoelectron spectroscopy

Y. Fukuda and M. Nagoshi, Molecular nitrogen with extremely low N–N stretching frequency on Cr(111) studied by HREELS and XPS 203 (1988) L651
S. Bao, G. Liu and D.P. Woodruff, Angle-resolved polarised light photoemission study of the formation and structure of acetate on Cu(110) 203 (1988) 89
R.R. Rye, C.M. Greenlief, D.W. Goodman, E.L. Hardegree and J.M. White, Auger spectra of C_2 hydrocarbons on Ni(100) 203 (1988) 101
C. Klauber, Acid induced oligomerization of aurocyanide adsorbed on carbon 203 (1988) 118
A. Namiki, K. Tanimoto, T. Nakamura, N. Murayama and T. Suzaki, Formation of interfacing Si–O–Si species by hydrogenated Si radical depositions onto oxidized Si(111) surfaces 203 (1988) 129
W. Unger and S. Baunack, Results on low pressure oxygen adsorption on a $Pt_{60}Re_{40}$ alloy sample: a SIMS and XPS study 203 (1988) L682
R.M. Nix, R.W. Judd and R.M. Lambert, Structure and properties of rare earth overlayers and ultra-thin alloy films on single crystal copper: Nd on Cu(111) 203 (1988) 307
Th. Lindner, J. Somers, A.M. Bradshaw, A.L.D. Kilcoyne and D.P. Woodruff, A photoelectron diffraction and NEXAFS study of the structure of the methoxy species (CH_3O–) on Cu{100} 203 (1988) 333

Photon emission

C.A. Ward and M.B. Elmoselhi, The coverage dependence of the heat of adsorption and the predicted wavelength of surface luminescence 203 (1988) 463

Platinum

P.L. Hagans, X. Guo, I. Chorkendorff, A. Winkler, H. Siddiqui and J.T. Yates, Jr., Adsorption and dissociation of HCN on the Pt(111) and Pt(112) surfaces 203 (1988) 1
X. Guo, A. Winkler, I. Chorkendorff, P.L. Hagans, H.R. Siddiqui and J.T. Yates, Jr., Oxidation of HCN on the Pt(111) and Pt(112) surfaces 203 (1988) 17
X. Guo, A. Winkler, P.L. Hagans and J.T. Yates, Jr., Reactivity of surface peroxo species: oxidation of HCN on Pt(111) 203 (1988) 33

Raman scattering

Ü. Ertürk, D. Gherban and A. Otto, Chemical and vibrational specificity of SERS induced by submonolayer postdeposition of silver 203 (1988) 554

Ruthenium

H. Tochihara, G. Rocker, R.M. Martin, H. Metiu and J.T. Yates, Jr., A study of the surface electronic properties of Cu/Ru(0001) by metastable quenching spectroscopy 203 (1988) 44

M.A. Henderson, G.E. Mitchell and J.M. White, The coadsorption of ethylene and CO on Ru(001) 203 (1988) 378
C. Park, Growth of Ag, Au and Pd on Ru(0001) and CO chemisorption 203 (1988) 395

Secondary ion mass spectroscopy

J.-F. Hennequin, On the intrinsic secondary ion emission from light metals 203 (1988) 245
W. Unger and S. Baunack, Results on low pressure oxygen adsorption on a $Pt_{60}Re_{40}$ alloy sample: a SIMS and XPS study 203 (1988) L682
M.A. Henderson, G.E. Mitchell and J.M. White, The coadsorption of ethylene and CO on Ru(001) 203 (1988) 378

Silicon

J. Nogami, Sang-il Park and C.F. Quate, An STM study of the gallium induced $\sqrt{3} \times \sqrt{3}$ reconstruction of Si(111) 203 (1988) L631
A. Namiki, K. Tanimoto, T. Nakamura, N. Murayama and T. Suzaki, Formation of interfacing Si–O–Si species by hydrogenated Si radical depositions onto oxidized Si(111) surfaces 203 (1988) 129
A. Jenichen and H. Johansen, Chemisorption on the SiO_2 and silicon surfaces and the influence of infrared laser excitation 203 (1988) 143
YoungPak Lee, A.J. Bevolo and D.W. Lynch, Comparison of initial oxidation of single- and polycrystalline Fe–Si alloys, and the effects of annealing and crystal faces on the oxidation behavior 203 (1988) 155
J. Lampinen, R.M. Nieminen and K. Kaski, Molecular dynamics simulation of epitaxial growth of the Si(001) surface 203 (1988) 201

Silicon oxide

A. Jenichen and H. Johansen, Chemisorption on the SiO_2 and silicon surfaces and the influence of infrared laser excitation 203 (1988) 143

Silver

C. Argile and G.E. Rhead, The coadsorption of cesium and potassium on Ag(111). Characterisation by Auger electron spectroscopy and work function changes; adsorption of oxygen 203 (1988) 175
F.M. Romeo, R.I. Tucceri and D. Posadas, Surface conductivity changes during the electrochemical adsorption of UPD layers on silver and gold 203 (1988) 186
C. Park, Growth of Ag, Au and Pd on Ru(0001) and CO chemisorption 203 (1988) 395
C. Minot, B. Bigot and A. Hariti, A theoretical investigation of the two-dimensional growth of silver clusters: the silver bubble 203 (1988) 525
Ü. Ertürk, D. Gherban and A. Otto, Chemical and vibrational specificity of SERS induced by submonolayer postdeposition of silver 203 (1988) 554

Solid–electrolyte interface

F.M. Romeo, R.I. Tucceri and D. Posadas, Surface conductivity changes during the electrochemical adsorption of UPD layers on silver and gold 203 (1988) 186

Sputtering

D.J. O'Shaughnessy, J.W. Boring, J.A. Phipps and R.E. Johnson, Absolute differential yields of condensed rare gases sputtered by keV ions 203 (1988) 227

Sulphur

R. Franchy, M. Wuttig and H. Ibach, Anharmonic effects on adsorbate vibrations 203 (1988) 489

Surface conductivity

F.M. Romeo, R.I. Tucceri and D. Posadas, Surface conductivity changes during the electrochemical adsorption of UPD layers on silver and gold 203 (1988) 186

Surface defects

M. Mundschau, E. Bauer and W. Święch, Photoemission microscopy and atomic steps on Mo{011} 203 (1988) 412

Surface diffusion

J.N. Russell, Jr. and R.B. Hall, Laser-induced defects on a Ni(100) surface: effects on adsorption and surface diffusion of CO 203 (1988) L642

Surface structure, see also Low energy electron diffraction

N. Brookes, A. Viescas, P.D. Johnson, J.P. Remeika, A.S. Cooper and N.V. Smith, LEED observation of a 1×8 superlattice in the surface of lanthanum cuprate 203 (1988) L627

J. Nogami, Sang-il Park and C.F. Quate, An STM study of the gallium induced $\sqrt{3} \times \sqrt{3}$ reconstruction of Si(111) 203 (1988) L631

J. Haase and H.-J. Kuhr, Reconstruction and relaxation of the oxygen-covered Cu(111) surface: a SEXAFS study 203 (1988) L695

P.R. Watson and K.A.R. Mitchell, Multilayer relaxations in the Cu(311) surface determined by LEED crystallography 203 (1988) 323

Th. Lindner, J. Somers, A.M. Bradshaw, A.L.D. Kilcoyne and D.P. Woodruff, A photoelectron diffraction and NEXAFS study of the structure of the methoxy species (CH_3O–) on Cu{100} 203 (1988) 333

R. Raval, S.F. Parker, M.E. Pemble, P. Hollins, J. Pritchard and M.A. Chesters, FT-RAIRS, EELS and LEED studies of the adsorption of carbon monoxide on Cu(111) 203 (1988) 353

D.J. Hannaman and M.A. Passler, Structural determination of Ni(110)-(2×1)2CO by LEED: differentiation of substrate–C and C–O tilt angles 203 (1988) 449

C. Bondi and G. Taddei, Structures of the benzene monolayers physisorbed on the graphite basal plane 203 (1988) 587

Surface thermodynamics

C.A. Ward and M.B. Elmoselhi, The coverage dependence of the heat of adsorption and the predicted wavelength of surface luminescence 203 (1988) 463
P.A. Rikvold, J.B. Collins, G.D. Hansen and J.D. Gunton, Three-state lattice gas on a triangular lattice as a model for multicomponent adsorption 203 (1988) 500

Thermal desorption

A. Cassuto, On the validity of the desorption-rate version of the Langmuir isotherm proposed by K. Nagai 203 (1988) L656
K. Nagai, Reply to the Comment by A. Cassuto "On the validity of the desorption-rate version of the Langmuir isotherm proposed by K. Nagai" 203 (1988) L659
X. Guo, A. Hoffman and J.T. Yates, Jr., Reaction of bulk hydrogen in Pd(111) with adsorbed CN: a possible controlled barrier for hydrogen diffusion 203 (1988) L672
P.L. Hagans, X. Guo, I. Chorkendorff, A. Winkler, H. Siddiqui and J.T. Yates, Jr., Adsorption and dissociation of HCN on the Pt(111) and Pt(112) surfaces 203 (1988) 1
X. Guo, A. Winkler, I. Chorkendorff, P.L. Hagans, H.R. Siddiqui and J.T. Yates, Jr., Oxidation of HCN on the Pt(111) and Pt(112) surfaces 203 (1988) 17
X. Guo, A. Winkler, P.L. Hagans and J.T. Yates, Jr., Reactivity of surface peroxo species: oxidation of HCN on Pt(111) 203 (1988) 33
H. Tochihara, G. Rocker, R.M. Martin, H. Metiu and J.T. Yates, Jr., A study of the surface electronic properties of Cu/Ru(0001) by metastable quenching spectroscopy 203 (1988) 44
X.-L. Zhou, C. Yoon and J.M. White, Adsorption of H_2, N_2, NH_3 and PF_3 on ultra-thin Fe films on W(100) 203 (1988) 53
M.A. Henderson, G.E. Mitchell and J.M. White, The coadsorption of ethylene and CO on Ru(001) 203 (1988) 378
C. Park, Growth of Ag, Au and Pd on Ru(0001) and CO chemisorption 203 (1988) 395
M. Tikhov and E. Bauer, The interaction of Pb and Sn with the Mo(110) surface 203 (1988) 423

Tin

M. Tikhov and E. Bauer, The interaction of Pb and Sn with the Mo(110) surface 203 (1988) 423

Tungsten

X.-L. Zhou, C. Yoon and J.M. White, Adsorption of H_2, N_2, NH_3 and PF_3 on ultra-thin Fe films on W(100) 203 (1988) 53
U. Memmert and D. Fick, Nuclear magnetic resonance (NMR) studies at ^{23}Na atoms adsorbed on different W single crystal surfaces 203 (1988) 276
C.T. Rettner and E.K. Schweizer, Gas–surface scattering from W(100): kinetic energy dependence of the effective corrugation 203 (1988) L677

Tunneling

J. Nogami, Sang-il Park and C.F. Quate, An STM study of the gallium induced $\sqrt{3} \times \sqrt{3}$ reconstruction of Si(111) 203 (1988) L631
R.D. Ramsier, P.N. Henriksen and A.N. Gent, Adsorption of phosphorus acids on alumina 203 (1988) 72

Work function

G.E. Rhead, On the variation of work function with coverage for alkali-metal adsorption 203 (1988) L663
P.L. Hagans, X. Guo, I. Chorkendorff, A. Winkler, H. Siddiqui and J.T. Yates, Jr., Adsorption and dissociation of HCN on the Pt(111) and Pt(112) surfaces 203 (1988) 1
C. Argile and G.E. Rhead, The coadsorption of cesium and potassium on Ag(111). Characterisation by Auger electron spectroscopy and work function changes; adsorption of oxygen 203 (1988) 175
U. Memmert and P.R. Norton, Investigation of the interaction of oxygen with an Al(100) surface by work function methods 203 (1988) L689
R.M. Nix, R.W. Judd and R.M. Lambert, Structure and properties of rare earth overlayers and ultra-thin alloy films on single crystal copper: Nd on Cu(111) 203 (1988) 307
M. Tikhov and E. Bauer, The interaction of Pb and Sn with the Mo(110) surface 203 (1988) 423

X-ray absorption

J. Haase and H.-J. Kuhr, Reconstruction and relaxation of the oxygen-covered Cu(111) surface: a SEXAFS study 203 (1988) L695
Th. Lindner, J. Somers, A.M. Bradshaw, A.L.D. Kilcoyne and D.P. Woodruff, A photoelectron diffraction and NEXAFS study of the structure of the methoxy species (CH_3O–) on Cu{100} 203 (1988) 333

Zeolites

F. Blatter and E. Schumacher, Ethylene polymerisation catalyzed by caesium in zeolite NaY 203 (1988) 571